

**BY ORDER OF THE
SECRETARY OF THE AIR FORCE**

**AFI 11-2C-130V3 CL-6
1 APRIL 2000**



Flying Operations

NVG OPERATIONS FLIGHT CREW CHECKLIST

This checklist establishes procedures for the operation of C-130 aircraft employed by Mobility Air Forces (MAF) to accomplish their worldwide missions.

This checklist complements AFI 11-2C-130V3, *C-130 Operations Procedures*, and is printed on standard 8 ½" x 11" bond paper then trimmed to a unique size 4 ½" x 6 ½" that will fit the standard plastic C-130 aircrew checklist binders. Units may request copies of this checklist printed on a water proof-based media (in the size outlined) from the OPR. This product reduces weight and eliminates the need for plastic inserts. Limit water proof copies to aircrew only for use in-flight and training purposes.

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OPR: HQ AMC/DOV (Maj Swift)

Certified by: HQ USAF/XOO (Maj Gen Michael S. Kudlacz)

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PRE-MISSION BRIEFING GUIDE

The aircraft commander will ensure all aircrew members receive this briefing prior to each mission. Brief only applicable items.

1. Mission Purpose
2. Mission Profile:
 - Team/Chalk Number
 - Itinerary/Sequence of Events
 - NOTAMS
3. Weather:
 - Lowest Altimeter Setting
 - Altimeter Update Procedures
 - Moon Illumination
 - TDA Illumination (If Available)
4. Communications:
 - Call Sign
 - Time Hack
 - Interphone/Interplane Discipline
 - Frequencies
 - Safety Pilot Radio Duties
 - Authentication, COMSEC, OPSEC
 - IFF/SIF
 - AWACS, ABCCC, Fighter, FAC, Etc.
5. Intelligence, Threat, and Security Profile:
 - Threats/Hazards
 - Classified Materials
 - Special Security Requirements

6. Aircraft Preparation/Configuration:
 - Passenger, Cargo, Fuel, Etc.
 - Cockpit Preparation
 - Cargo Compartment Preparation
 - Exterior Configuration
 - Personal Equipment
7. NVG Operations:
 - NVG Use
 - Aircraft Lighting
 - Crew Coordination
 - Objective Area Configuration/Identification
8. Departure and Ingress:
 - Times: Station, Engine Start, Taxi, Control Point, TOT/TOA
 - SKE Information: Slot Number, Master/Deputy Master
 - Frequency
 - Taxi Route/Active Runway
 - Departure
 - CEP and CE Checklists
 - Route Study: Turn Points, Emergency Safe Altitudes, Base
 - Airspeed, Orbit Points, Slowdown/IP, Enroute Threat Updates, Obstacles, Enroute Altitudes
9. Objective Area and Escape:
 - Airdrop:
 - Run-In
 - DZ, Markings, CARP

- Load, Parachute Information
 - Escape
10. Airland:
- Visual/Random Run-In Approach
 - ARA Approach
 - LZ Lighting Pattern (AMP-2.5)
 - IR Box-and-One Landings (AMP-3)
 - Blacked-Out Landings
 - Missed Approach/Go-Around
 - Verbal Cues
 - Return Route of Flight
11. Emergency Procedures:
- Aborts: Aircraft/Mission
 - NVG Failure
 - Aircraft Egress
 - Emergency Safe Altitude
 - Hot Refueling Emergencies
12. Evasion and Escape:
- USAF Selected Area
 - Point of No Return
 - Destruction of Classified Material/Equipment
13. Loadmaster-User Coordination:
- Inflight Warnings/Procedures
 - Visual and Verbal Signals
 - Opening of Aircraft Doors
 - Onload/Offload Procedures
 - Ground Plan

COCKPIT LIGHT MASKING

CAUTION

Care must be taken to not excessively tape some items, thus creating an increased hazard.

NOTE

Lights should be masked with olive drab tape or NVG compatible filters/film if available. Lights should be masked with sufficient layers of tape to prevent interference with the NVGs. Tape must be removed after flight to prevent damage to equipment.

NOTE

Spare pieces of tape will be available at each crew station for sealing light leaks, providing additional masking on lights, and masking Warning/Caution lights which illuminate inflight.

I. CHECK/INSTALL THE FOLLOWING:

Blue Floodlights Installed

Unplug Approach Plate Holders

Flight Deck and Galley Curtain Installed (If available)

Extra Chem Lights Available

II. MASK/INSTALL CHEM LIGHTS ON THE FOLLOWING:

PILOTS INSTRUMENT/SIDE PANEL

Jump Lights

Air Deflector Doors Light

Zone Marker Mode Select Panel

SKE RFCI Panel

Master Door Warning Light

GPWS Lights

Electronic Fuel Correction Lights

Altitude Low Warning Light (NVG Compatible Film Only)

SCNS Warning Lights

SKE CAUTION Light

CARA R/T Fail/Low Light
Autopilot OFF Light
Marker Beacon Light
FCS Annunciator Lights (Top/Bottom)
Beam Coupler Lights
Master Fire Warning/Rosebud Lights (for NVG airland operations only, use only one layer of olive drab tape)
Doppler Drift Angle-Ground Speed Indicator
Install Chem Lights on the ADI, Airspeed Indicator, Altimeter, VVI, HSI, BDHI, RMI, and SKE Range Meter

CENTER CONSOLE/INSTRUMENT PANEL

BETA Lights (Airland Only) Oil Cooler Augmentation Lights - (Airland Only)
ADS Open Light
MODE IV Caution Light
IFF Warning/Interrogation Lights
Install Chem Lights over top of the Engine Instrument Panel and forward of the Condition Levers.

CO-PILOTS INSTRUMENT/SIDE PANEL

Altitude Low Warning Light (NVG Compatible Film Only)
GPWS/GCAS Lights
Nacelle Overheat/Rosebud Lights (for NVG airland operations only, use only one layer of olive drab tape)
SKE CAUTION Light
Co-Pilots ADI Repeat Light
Landing Gear Handle
FCS Annunciator Lights (Top/Bottom)
SCNS Warning Lights
SKE Antenna Lights
KY58/KY75/ and VT Lights

SKE Secondary Control Panel

Jump Lights

Air Deflector Doors Light

Install Chem Lights on the ADI, Airspeed Indicator, Altimeter, VVI, HSI, BDHI, RMI, SKE Range Meter, Cabin Altimeter, Flap Indicator and Bleed Air Pressure Gauge.

OVERHEAD PANEL

Anti-Skid Test Lights (Airland Only)

Anti-Ice/No-Ice Lights

Fire Handles (for NVG airland operations only, use only one layer of olive drab tape)

Install Chem Lights on the Pressure Controller, Cabin VVI, Cabin Differential Pressure, Fuel Quantity and Fuel Pressure Indicators

NAVIGATOR STATION

DFDR Light

Defensive Systems Lights

RADAR

SKE FCI Control Panel

CARA

CARGO COMPARTMENT (Option 1)

All Floor Lights Dim

Overhead Dome Lights Dim White

Loading Lights Off

CARGO COMPARTMENT (Option 2)

I. TAPE THE FOLLOWING

Jump Signals

Door Warning Lights

II. TURN OFF

Floor Lights

All Dome Lights

Forward

Center

Aft

Ramp

Under Flight Station

Crew Entrance Door Light

Ramp Loading Lights

Ramp Door Uplock Inspection Lights

Jump Platform Lights

Wheel Well Lights

Nose

Main

III. INSTALL (As Required)

Green/Blue Chem Lights

At Oxygen Regulators (3 Locations)

At Ramp and Door Control

At Static Line Retriever and CDS Arming Switches

At Aft Anchor Line Arm Switches

Blackout Curtains

Window Curtains (Covers) On All Round Side Windows

IV. BREAK CHEM LIGHTS AND TURN OFF ALL NON-COMPATIBLE LIGHTS AT THE COMBAT ENTRY POINT

**NVG FORMATION EXTERIOR
LIGHTING CHECKLIST**

1. Formation or Element Lead (unless last aircraft in formation) Navigation Lights: Steady Bright Strobe
Inhibit: Low covert Formation Lights: On, medium
Leading Edge Lights: Off

2. #2 Position
Navigation Lights: Steady Bright
Strobe Inhibit: Low Covert
Formation Lights: On, medium
Leading Edge Lights: Off

3. #3 Position/Last Aircraft in element
Navigation Lights: Steady Bright
Strobe Inhibit: Anti-collision (or high covert if illumination causes pilot distraction)
Formation Lights: On/medium
Leading Edge Lights: Off

4. Last aircraft in formation:
Navigation Lights: Steady or Flash/Bright
Strobe Inhibit: Anti-collision
Formation Lights: On/high
Leading edge lights: On

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